



Nikon D3100 Motherboard Replacement

Replace the motherboard of a Nikon D3100.

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INTRODUCTION

If your camera is glitching or the external connections (micro USB and HDMI) ports are not working. Then the cameras motherboard might be faulty and needs to be replaced. Before starting with this guide, refer to this [troubleshooting page](#) to check if there are any other possible causes.

TOOLS:

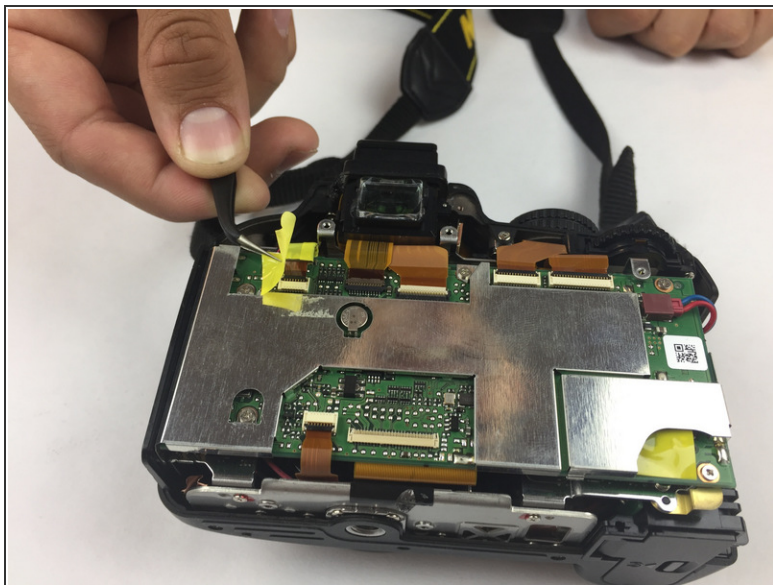
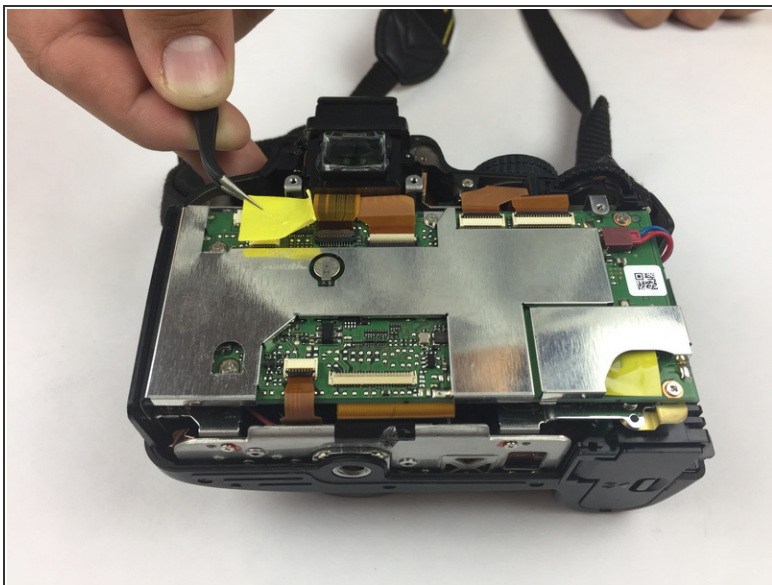
- [Phillips #00 Screwdriver](#) (1)
 - [Tweezers](#) (1)
 - [Spudger](#) (1)
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Step 1 — Motherboard



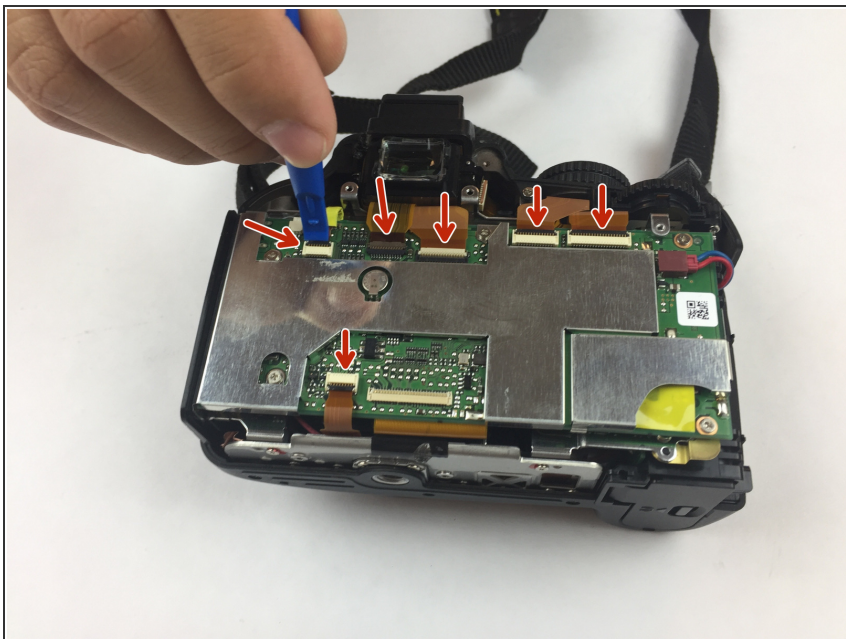
- Follow steps 1 - 5 from the [LCD Screen Replacement Guide](#) to take off the back panel.

Step 2



- Use tweezers to gently lift the tape from the back of the camera.

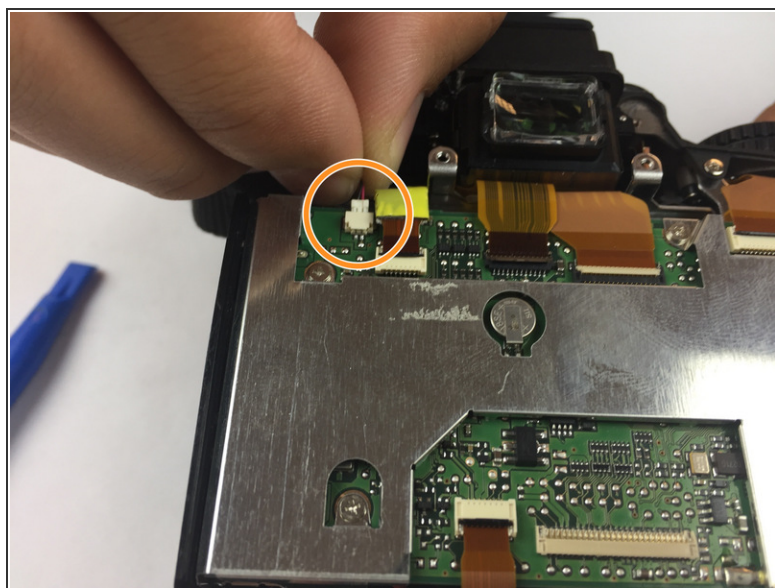
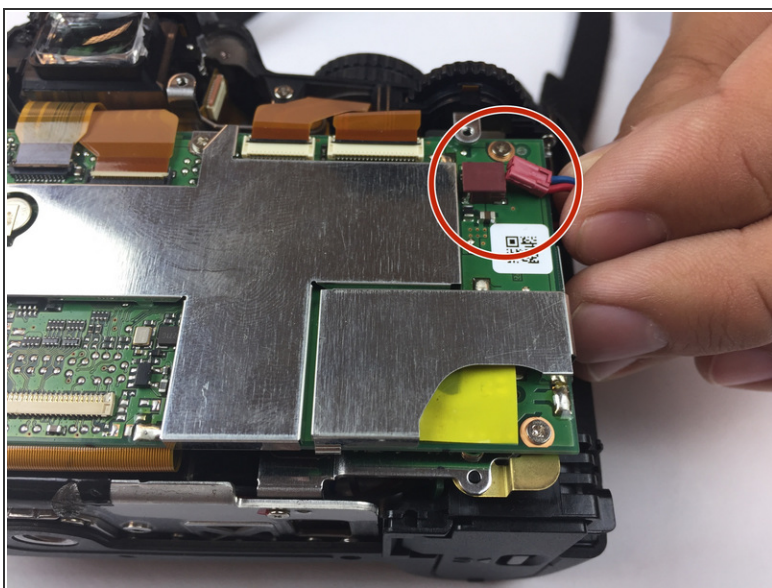
Step 3



- Use a plastic spudger to remove the 6 ribbons.

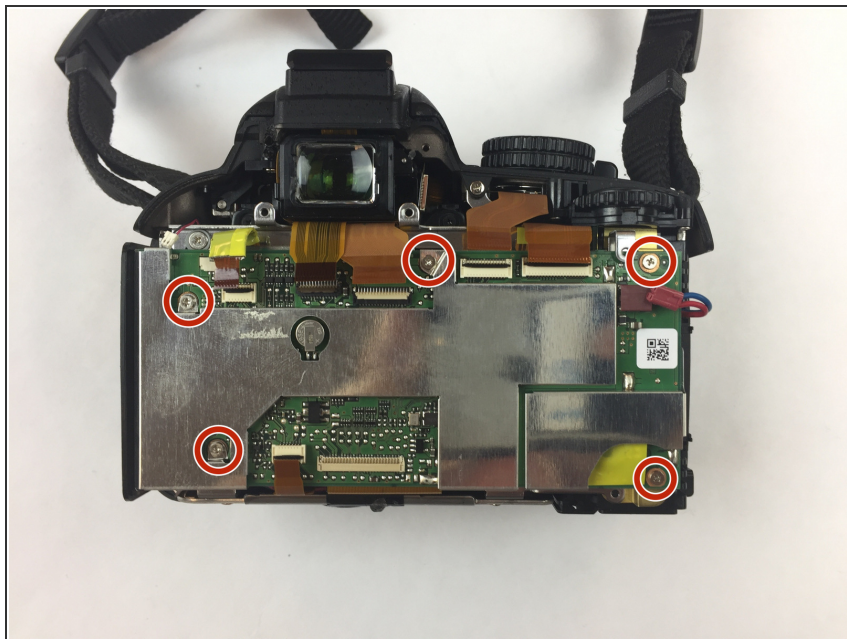
⚠ Be careful not to tear the ribbons.

Step 4



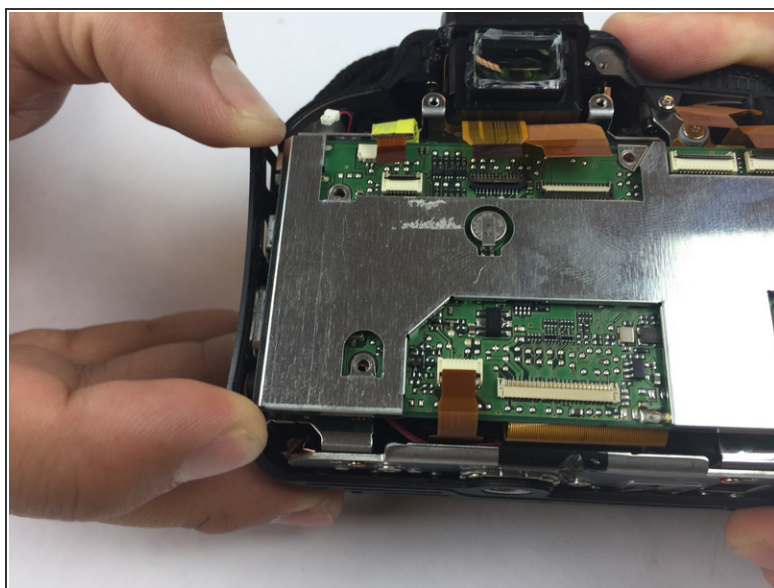
- Remove the plug located at the top right side of the camera.
- Remove the plug located on top left side of the camera.

Step 5



- Use Philips #00 Screwdriver to remove five 3mm screws marked here.

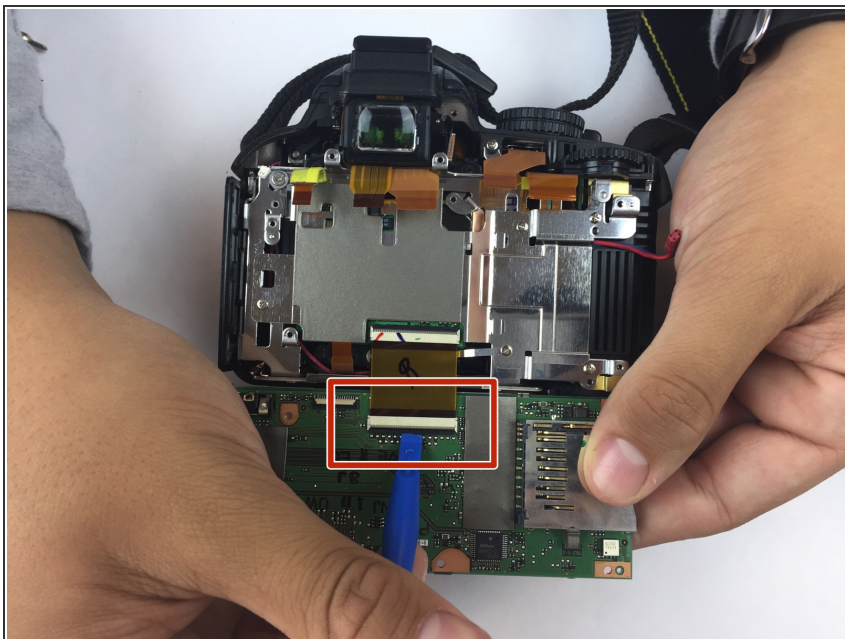
Step 6



- Gently pull out the side wall of the camera to take the motherboard out easier.

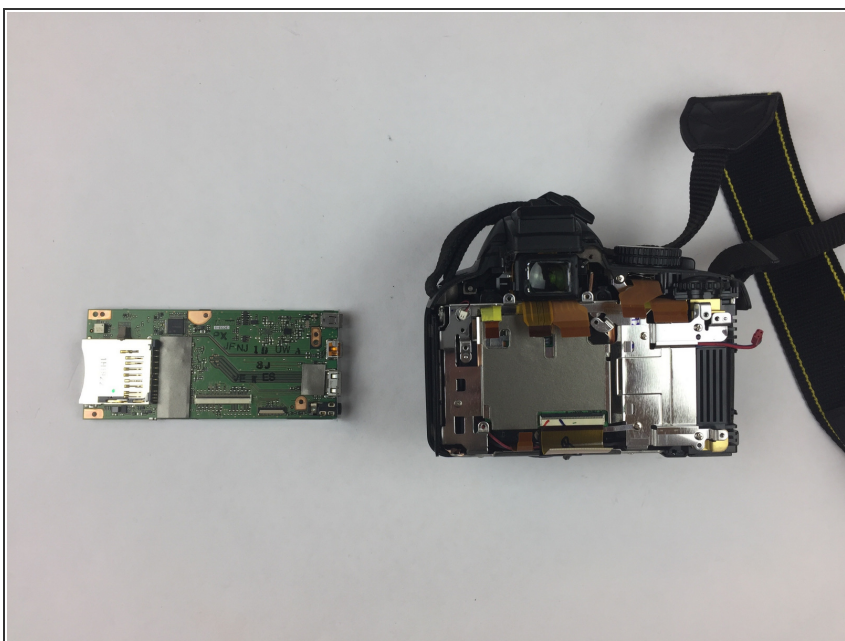
⚠ Do not pull to hard or you will risk breaking the plastic.

Step 7



- ⚠ Be careful while lifting the motherboard because there is one more ribbon attached.
- Gently lift the motherboard to separate it from the back of the camera.
- Use a plastic spudger to detach the ribbon.

Step 8



- Replace the motherboard.

To reassemble your device, follow these instructions in reverse order.

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